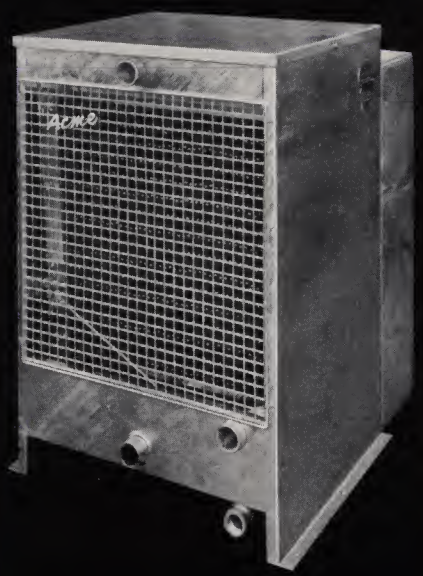
Catalog No. 371
Product Classification F
May, 1957

Acme FLOW COLD®

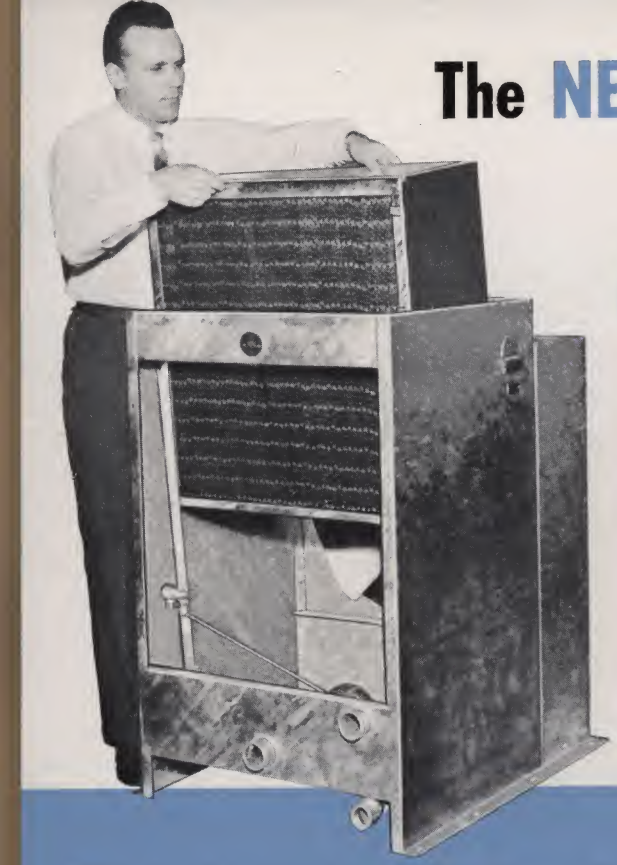
COOLING TOWERS

CAPACITIES: 3 thru 20 TONS



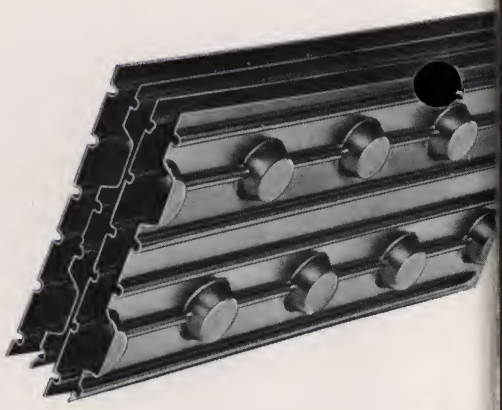
With new lightweight and compactness never before possible!

The NEW *Acme* Plastic Pak* is the greates



lightest ever made!

This man is lifting 515 square feet of highly efficient deck surface . . . a 37-pound capsule of concentrated cooling capacity that is the heart of this 7½-ton tower. Developed exclusively by Acme Industries, this unique plastic pak shows why Flow-Cold towers are the smallest and lightest in their field by an unbelievable margin. So light is the Acme-Pak, that one man can easily remove it from even the largest Flow-Cold units.



* Patent applied for.

The functional simplicity of FLOW-COLD design includ

unequalled compactness and good looks

Flush grill guards on front and rear lend a modern functional look to the new Flow-Cold towers. No unsightly projections mar their neat appearance that is so important in today's residential and commercial installations. They're smaller too. Compared with other tower makes, Flow-Cold is in a size class by itself.

housing never needs painting

The welded steel housings of Flow-Cold towers are hot-dip galvanized. This extra heavy protection is proof against the elements in any climate. Even under severe conditions, painting is never required.

installed easily through tight spaces

Sectional design of Flow-Cold towers permits even the largest models to pass through any standard door opening. Maximum depth of any model with fan section removed is 25¾ inches.

internal fan assures safety

In locations accessible to children and pets, Flow-Cold towers are completely safe. Steel fan is located well ahead of rear grill guard, and fan pulley is shielded by circular plate. Motor and drive are fully enclosed.

COMPARISON PROVES FLOW-COLD *to be the smallest, lightest in its field*

Typical 7½-Ton Units	Width	Depth	Height	Floor Area	Cubic Volume	Ship. Wt.
ACME AJT-8	33	34	43	7.8	23.2	326
MAKE D	31	59	56	12.7	49.4	605
MAKE H	29	44½	58	8.0	32.4	659
MAKE M	30	45½	63	9.5	41.5	518

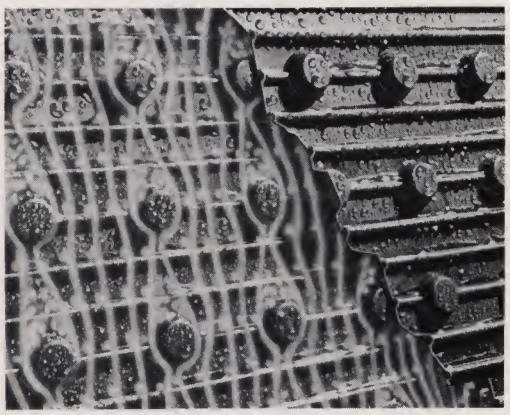
Compared with other well-known tower makes, Acme leads by a spectacular margin in both light weight and compactness. Substantial savings are guaranteed through easier handling and lower freight costs.

Make H ACME Make D Make M

t single achievement in modern tower design

cannot rot or rust!

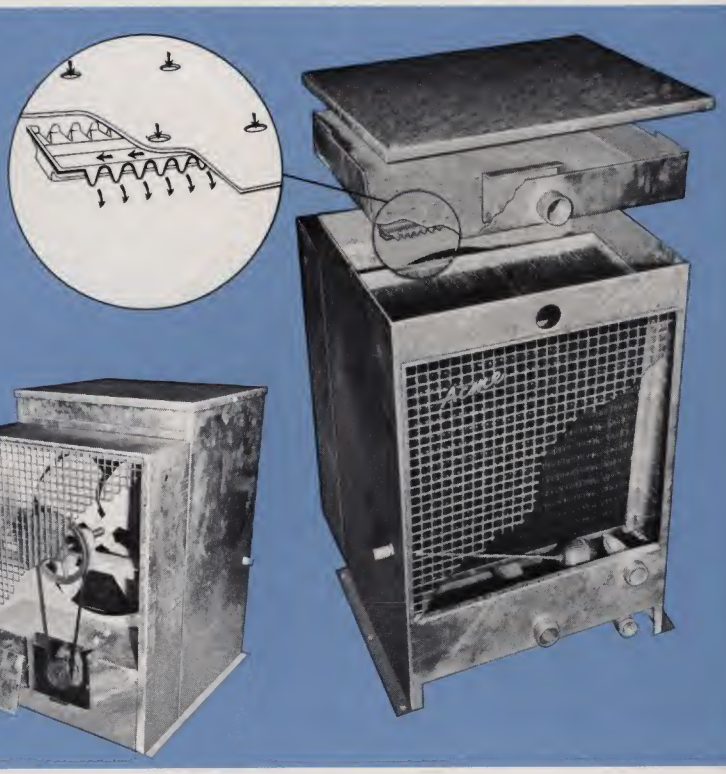
Another important feature of the Acme-Pak is that it cannot rot or rust like other materials. It's made from tough, chemically inert polystyrene that no amount of water can damage in a lifetime. It stays cleaner too, because water deposits can't cling to the plastic sheets as they do on other surfaces.



improves cooling efficiency!

In addition to its remarkably light weight and long life, the Acme-Pak adds cooling efficiency in a way that was never before possible. Molded into the plastic sheets are thousands of conical projections that control the turbulence of the air as it moves through the pak. Likewise, the horizontal spreader ribs control the downward flow of the water, actually "spreading" it over the pak surface. The result is a perfect air-water mixture that produces maximum heat transfer capacity.

es these outstanding features:



controlled water distribution without nozzles

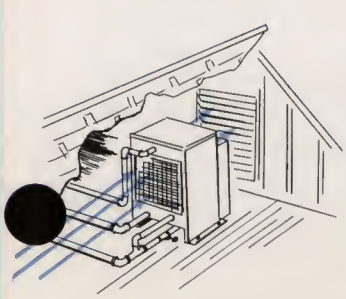
Another Acme exclusive is found in the unique plastic water-dispersal troughs* that are fitted beneath each row of holes in the distribution pan. These troughs serve to channel the water in precisely equal amounts at equal intervals to the multiple spaces between pak sheets.

easy access to all parts

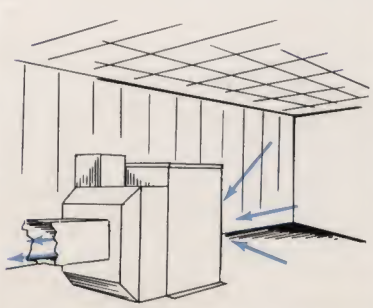
Maintaining and servicing the Flow-Cold towers is made easier than ever. By removing the top cover and front grill, the distribution pan, sump, and pak are all fully exposed. The entire pak is self-contained in a galvanized steel framework mounted inside the housing. It is easily removed if necessary.

* Patent applied for.

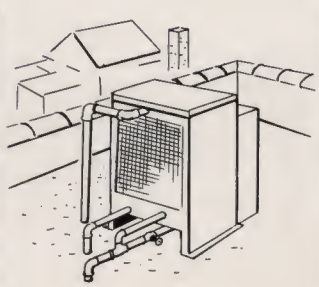
FLOW COLD Towers can be located anywhere



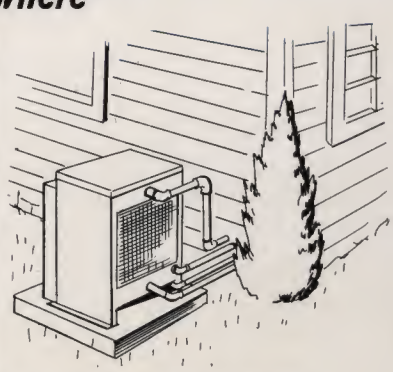
IN ATTIC OR ROOF GABLES



IN BASEMENT OR UTILITY ROOMS*



ON ROOF TOPS



OUTSIDE AT GROUND LEVEL

* NOTE: Information on blower models for ducted installations available on request.

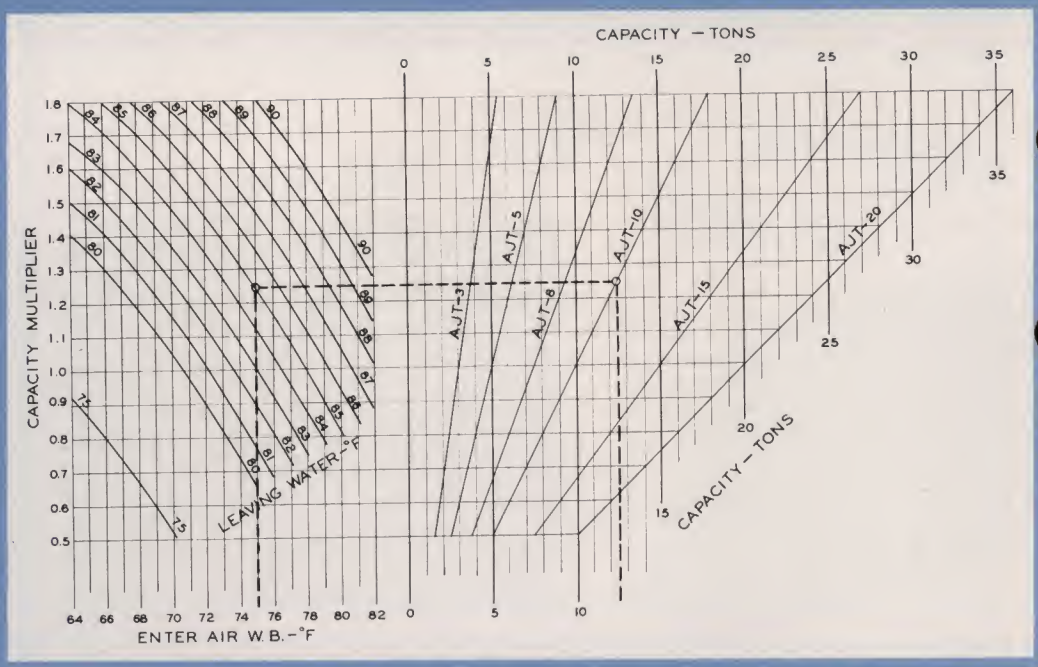
SELECTION DATA

As a sample procedure, follow the steps given below in selecting a cooling tower to meet the following specifications:

Refrigeration Capacity	11.75 Tons
Temp. of Water to Tower	95° F
Temp. of Water off Tower	85° F
Wet Bulb Temp.	75° F

STEP 1: On the left-hand portion of the chart, draw a vertical line upward from the 75° wet bulb line until it intersects the diagonal line corresponding to a water-off temperature of 85°.

STEP 2: From this point of intersection, project a line horizontally to the right until a model is selected with capacity equal to or greater than 11.75 tons at the operating conditions. The chart indicates that Model AJT 10 meets these requirements.

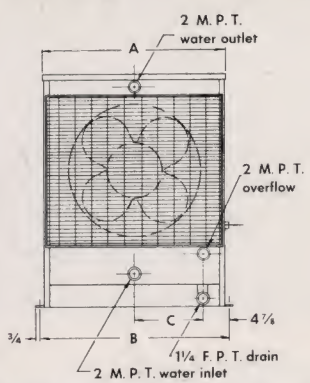


Capacities shown are low side tons. Each ton is equivalent to 15,000 Btu/h heat rejection.

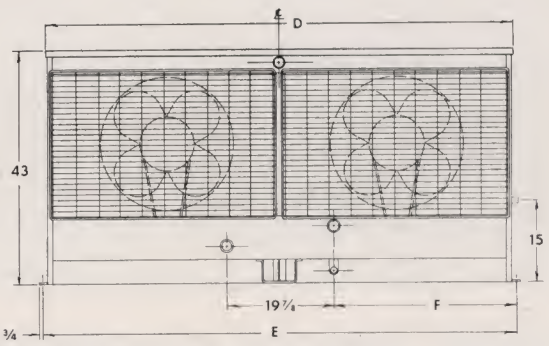
SPECIFICATIONS

DIMENSIONS

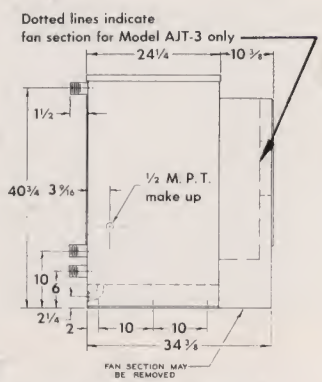
Model	Nominal Capacity (tons)	CFM	Fan HP	Operating Weight (lbs.)	A	B	C	D	E	F
AJT-3	3	1180	1/8	352	23 3/8	24 9/16	7 7/16			
AJT-5	5	1420	1/6	406	23 3/8	24 9/16	7 7/16			
AJT-8	7.5	2130	1/6	539	33 3/8	34 9/16	12 7/16			
AJT-10	10	2840	1/4	660	43 3/8	44 9/16	17 7/16			
AJT-15	15	4260	(2) 1/6	1037				66 5/16	67 9/16	23 13/16
AJT-20	20	5680	(2) 1/4	1277				86 5/16	87 9/16	33 13/16



FRONT VIEW MODELS 3 thru 10



FRONT VIEW MODELS 15 and 20



END VIEW ALL MODELS

NOTE: (1) Nominal capacities based on 15,000 Btu/hr total heat rejection per ton at 78° entering wet bulb, 85° water off, and 95° water on.
(2) Models AJT-5 thru AJT-20 hove pull-thru air flow; Model AJT-3 has blow-thru flow.
(3) Information on blower models for ducted installations available on request.

Acme INDUSTRIES, INC., JACKSON, MICHIGAN

Manufacturers of Quality Air-Conditioning and Refrigeration Equipment since 1919

Recommended by:

LITHO IN U.S.A.

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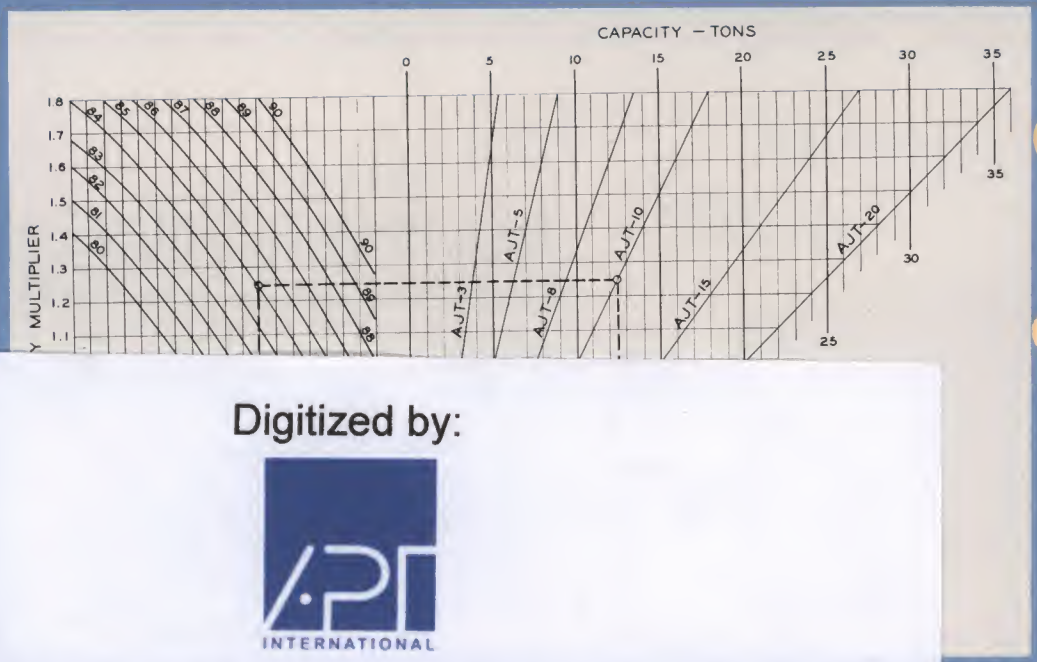
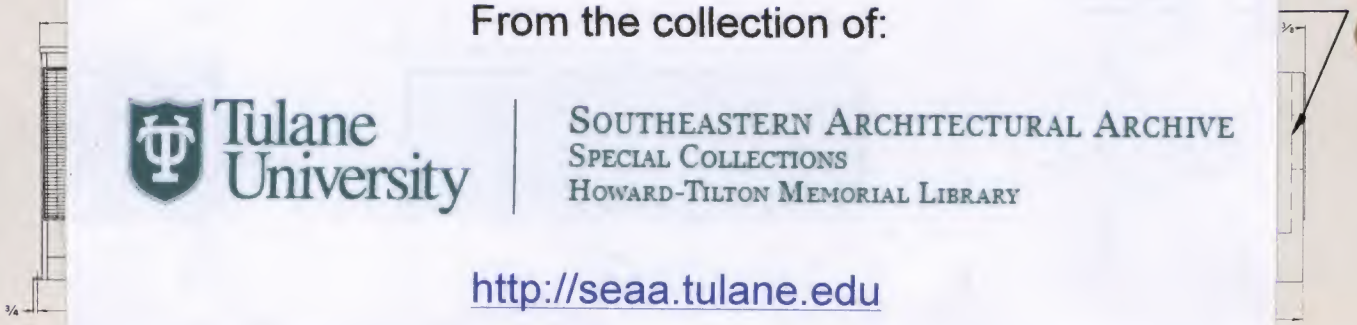


Btu/h

SPE

Model
AJT-3
AJT-5
AJT-8
AJT-10
AJT-15
AJT-20



FRONT VIEW MODELS 3 thru 10 FRONT VIEW MODELS 15 and 20 END VIEW ALL MODELS

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